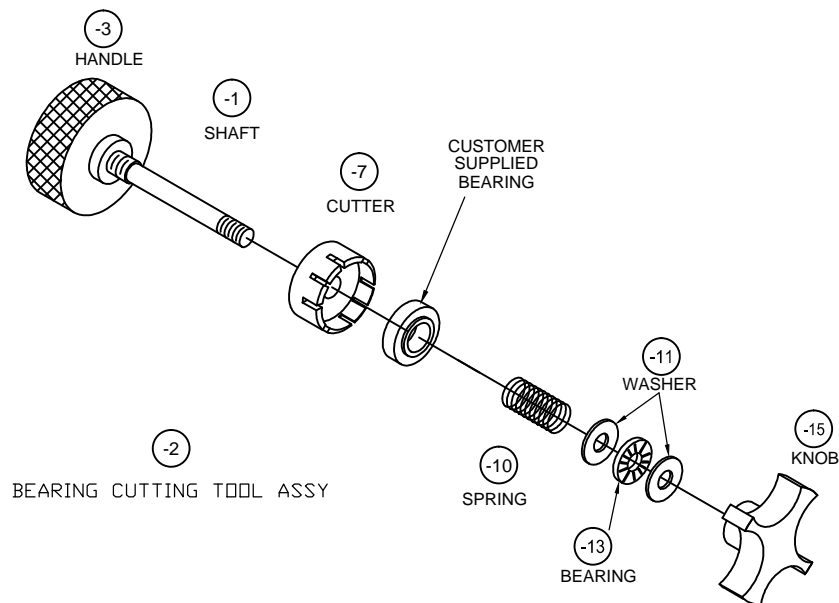
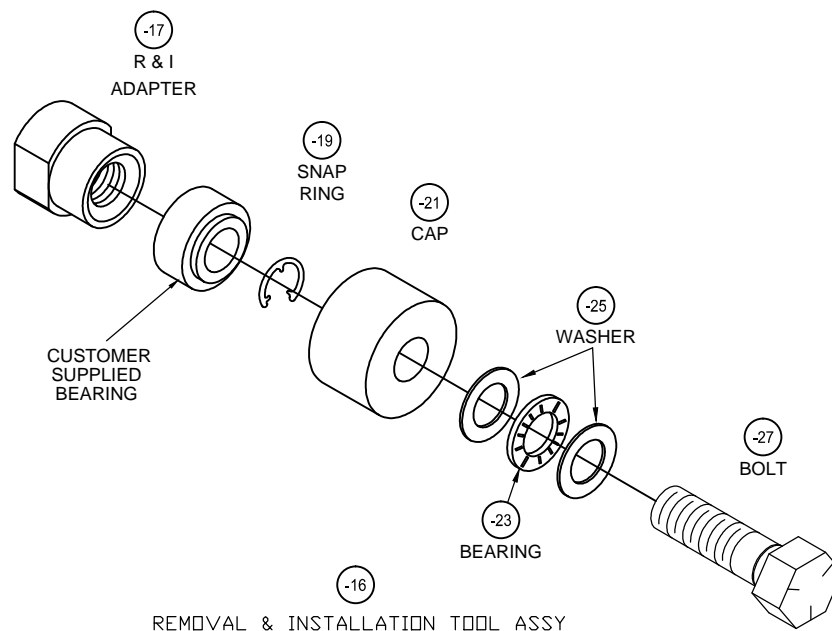


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NOTE:
BEARING #206-010-469-001, 206-010-470-001, ASTRO AM2004DHS

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-7 RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/04		
2	CH'D -7 PREGRIND TOLERANCE FROM .953.	1/2/08	WP	G.E.
3	ADDED AN 8° HOOK TO CUTTING TEETH, WAS STRAIGHT WITH NO HOOK.	1/29/08	WP	DW
4	CH'D -27 GROOVE NOMENCLATURE FROM .032 W x .025 DP.	1/29/08	WP	GE
4A	CH'D TITLEBLOCK & REVISION BLOCK, CORRECTED VIEWS & LABELED ALL SECTION VIEWS, ADDED DETAIL A P/N -1 TO CLARIFY TAPER.	9/29/09	RJC	RW

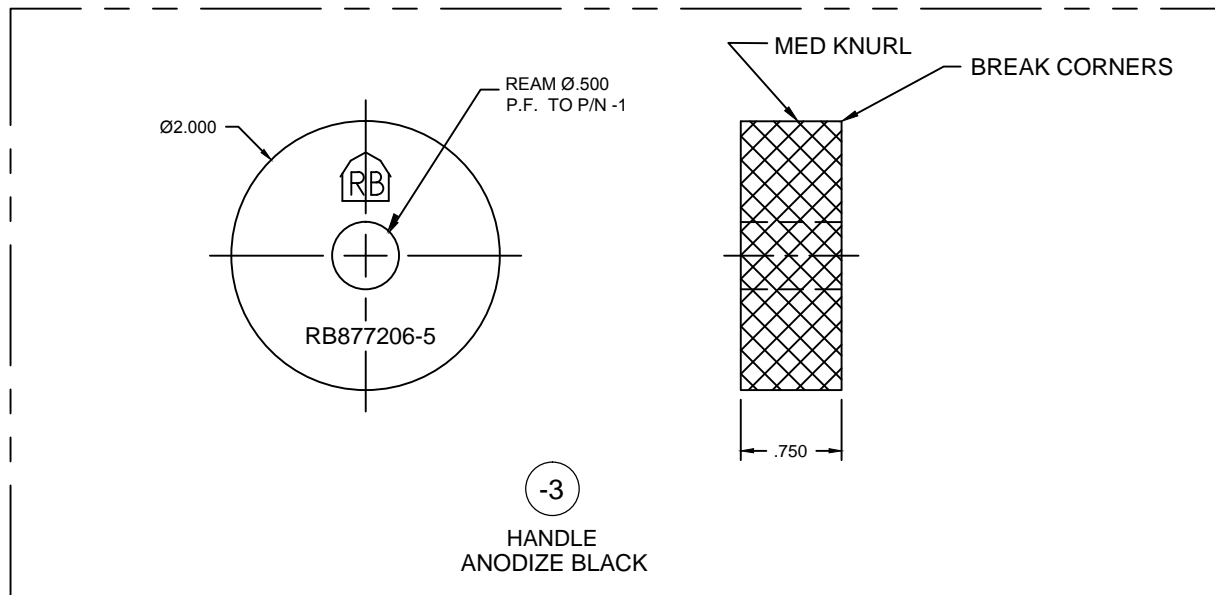
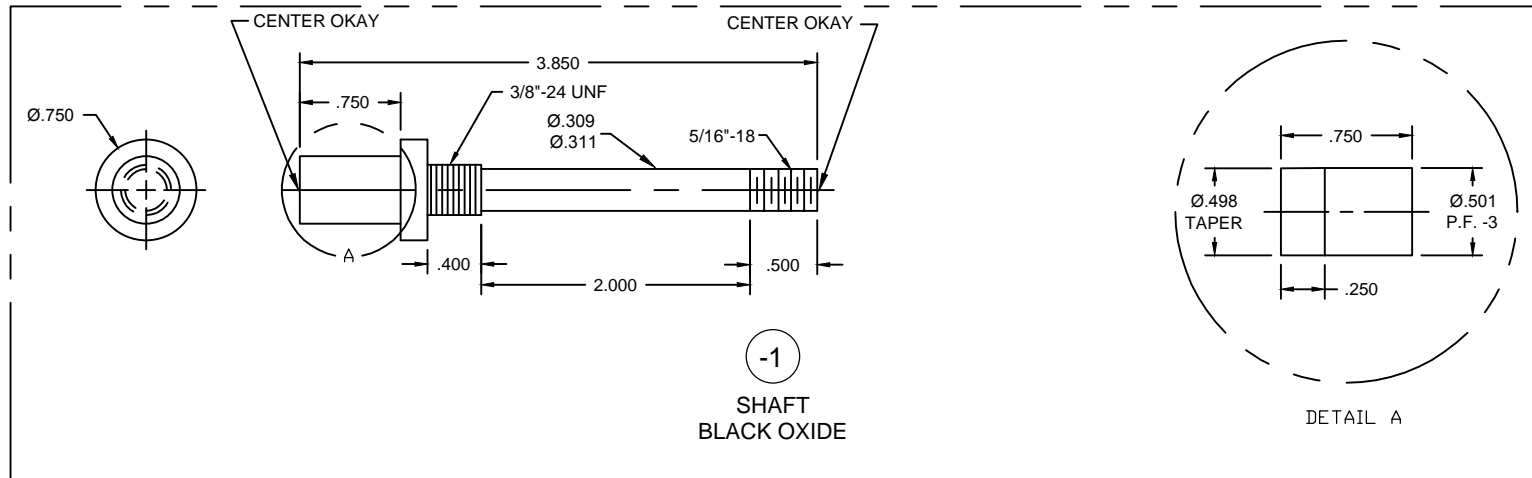


ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
	1		-1		SHAFT	STRESS PROOF	Ø3/4 x 4	2
	1		-2	1	BEARING CUTTER TOOL ASSY			1
	1		-3		HANDLE	6061 T6	Ø2 x 3/4	2
	1		-7		CUTTER	01	Ø1 x 5/8	3
	1	B/O	-10		SPRING		5/16 x 2 (EUGENE FASTNER #16)	1
	2	B/O	-11		WASHER		TRA-512 (APPLIED INDUSTRIAL)	1
	1	B/O	-13		BEARING		NTA512 (APPLIED INDUSTRIAL)	1
	1	B/O	-15		KNOB		DK-55 (REID TOOL)	1
	1		-16	1	REMOVAL & INSTALLATION TOOL ASSY			1
	1		-17		R&I ADAPTER	STRESS PROOF	Ø1-1/4 x 1-1/4	4
	1	B/O	-19		SNAP RING		Ø5/16 EXTERNAL	1
	1		-21		CAP	6061 T6	Ø1-1/2 x 1	4
	1	B/O	-23		BEARING		NTA512 (APPLIED INDUSTRIAL)	1
	2	B/O	-25		WASHER		TRA-512 (APPLIED INDUSTRIAL)	1
	1		-27		BOLT	GRADE 5	5/16-24 UNF x 3 MODIFY	4
ASSY QTY	ASSY QTY							
-16	-2							

RED BARN MACHINE			
TITLE			
BEARING CUTTER			
DWG NO. RB877206-5			REV 4A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: COLE	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS .XXX ± .005		HEAT TREAT	
XX ± .01		FINISH	
X ± .1		SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL	
SCALE NTS		BELL	
DATE 6-28-01		SHEET 1 of 4	

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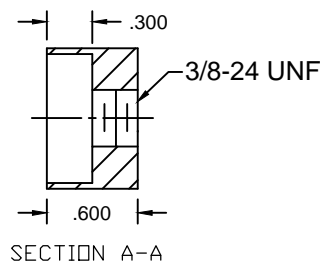
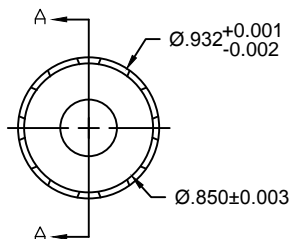
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
4A	CH'D TITLEBLOCK & REVISION BLOCK, CORRECTED VIEWS & LABELED ALL SECTION VIEWS, ADDED DETAIL A P/N -1 TO CLARIFY TAPER.	9/29/09	RJC	RW



RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-5-1 & -3	REV 4A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: COLE APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL BELL
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 6-28-01
SHEET 2 of 4	

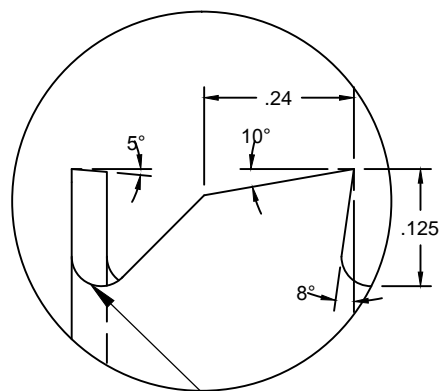
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-7 RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/04		
2	CH'D -7 PREGRIND TOLERANCE FROM .953.	1/2/08	WP	G.E.
3	ADDED AN 8° HOOK TO CUTTING TEETH, WAS STRAIGHT WITH NO HOOK.	1/29/08	WP	DW



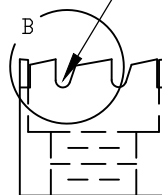
-7
CUTTER
8 TEETH
 HEAT TREAT: 50-60 Rc
 NO COATING

MACHINE TO .952
 GRIND TO SIZE
 AFTER HEAT TREAT



DETAIL B

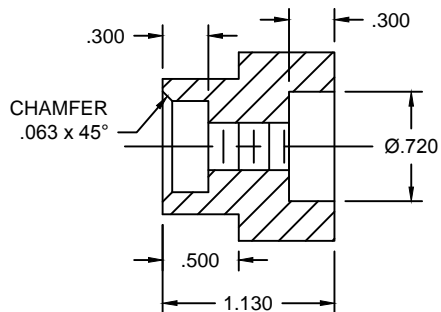
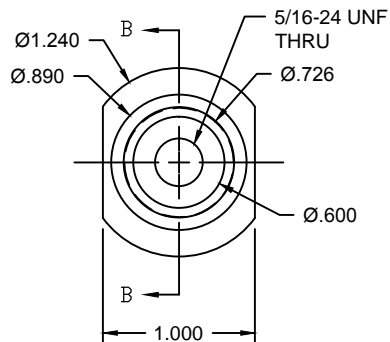
ROUND
 GULLET
 OKAY



RED BARN MACHINE							
TITLE <div style="text-align: center; font-size: 1.2em;">BEARING CUTTER</div>							
DWG NO. <div style="text-align: center; font-size: 1.2em;">RB877206-5-7</div>	REV <div style="text-align: center; font-size: 1.2em;">4A</div>						
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p style="font-size: 0.8em;">UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <p style="font-size: 0.7em;">TOLERANCES ON:</p> <table style="font-size: 0.6em; width: 100%;"> <tr> <td>XXX ± .005</td> <td>FRACTIONS ± 1/32</td> </tr> <tr> <td>XX ± .01</td> <td>ANGLES ± 5°</td> </tr> <tr> <td>X ± .1</td> <td></td> </tr> </table> </div> <div style="width: 35%;"> <p style="font-size: 0.8em;">DRAWN BY: COLE</p> <p style="font-size: 0.8em;">APPROVED: <i>D Weil</i></p> <p style="font-size: 0.7em;">HEAT TREAT</p> <p style="font-size: 0.7em;">FINISH</p> <p style="font-size: 0.7em;">SPEC</p> </div> </div>		XXX ± .005	FRACTIONS ± 1/32	XX ± .01	ANGLES ± 5°	X ± .1	
XXX ± .005	FRACTIONS ± 1/32						
XX ± .01	ANGLES ± 5°						
X ± .1							
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p style="font-size: 0.8em;">UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING</p> </div> <div style="width: 35%;"> <p style="font-size: 0.8em;">USED ON MODEL</p> <p style="font-size: 0.8em; text-align: center;">BELL</p> </div> </div>							
SCALE NTS	DATE 6-28-01						
SHEET 3 of 4							

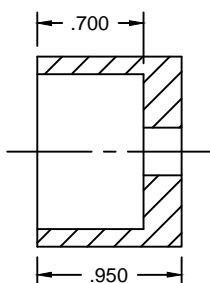
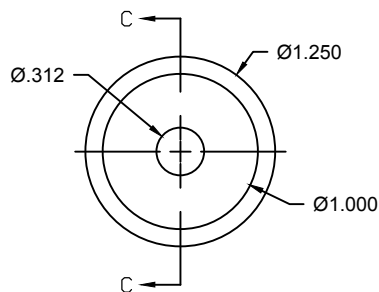
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
4	CH'D -27 GROOVE NOMENCLATURE FROM .032 W x .025 DP.	2/5/08	WP



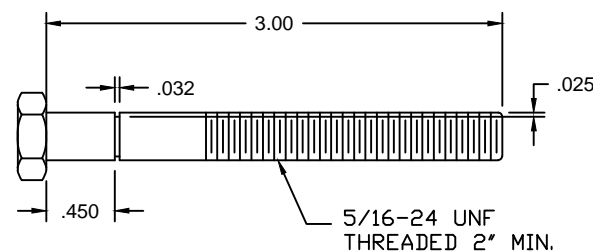
-17

ADAPTER R&I
BLACK OXIDE



-21

CAP
ANODIZE BLACK



-27

BOLT
BLACK OXIDE

RED BARN MACHINE	
TITLE BEARING CUTTER	
DWG NO. RB877206-5-17 thru -27	REV 4A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: COLE APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL BELL
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES Ø15 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 6-28-01
SHEET 4 of 4	